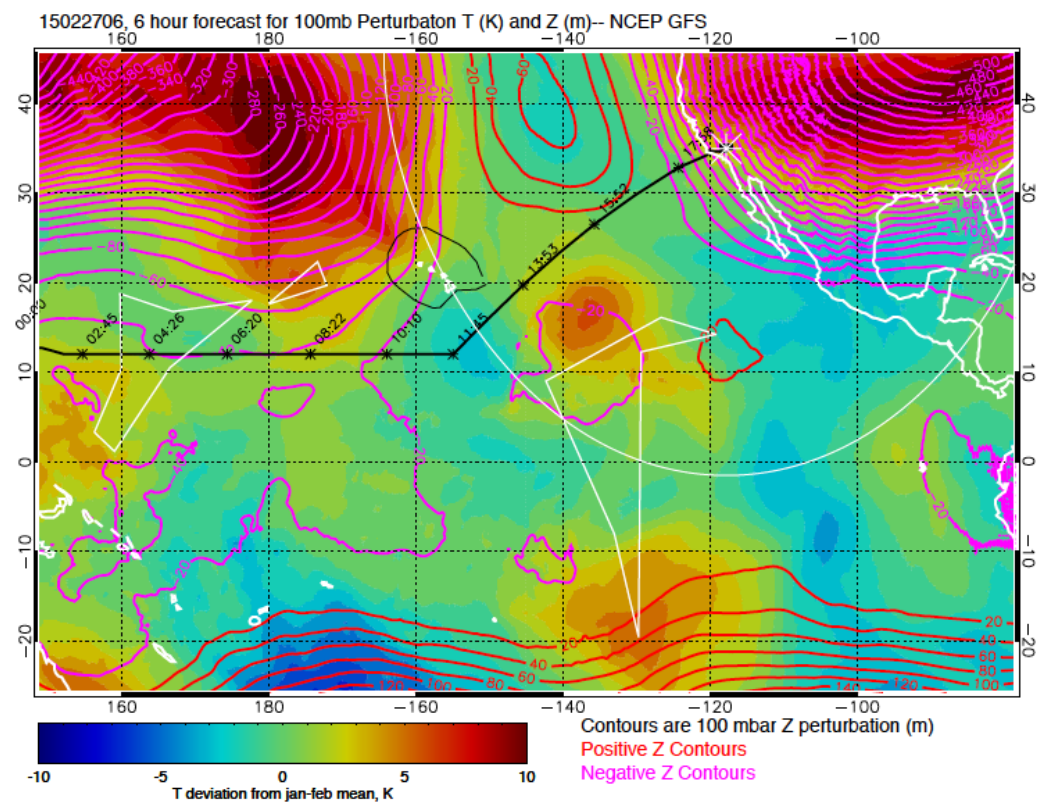
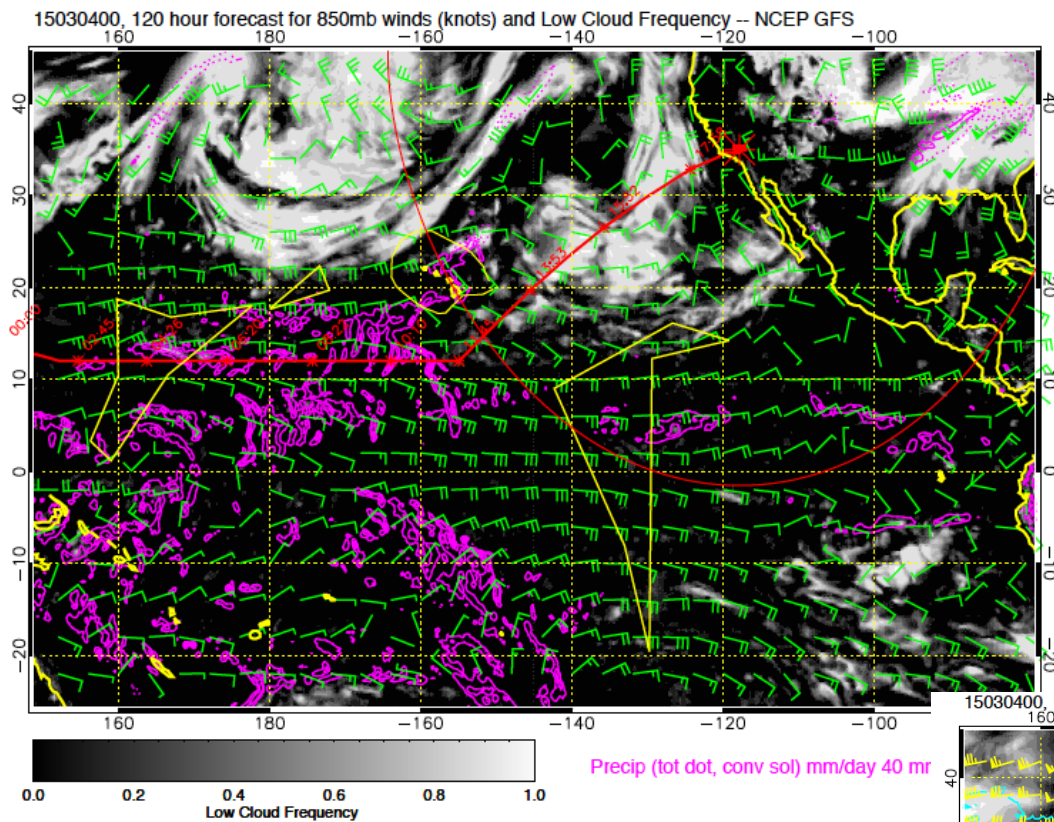
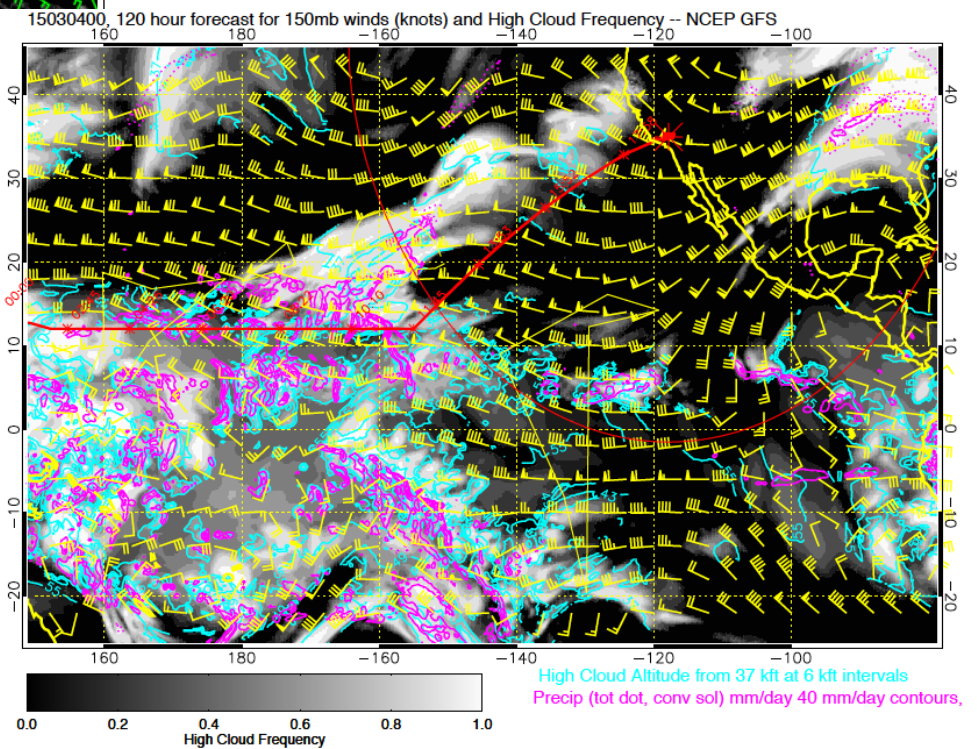


The coldest (188 on this scale) Ts are out of reach at 4 PM Tuesday, but the cold tropics are closest in the east. Temperatures are colder than a J-M average south of Acapulco. GEOS-5 shows the same basic picture

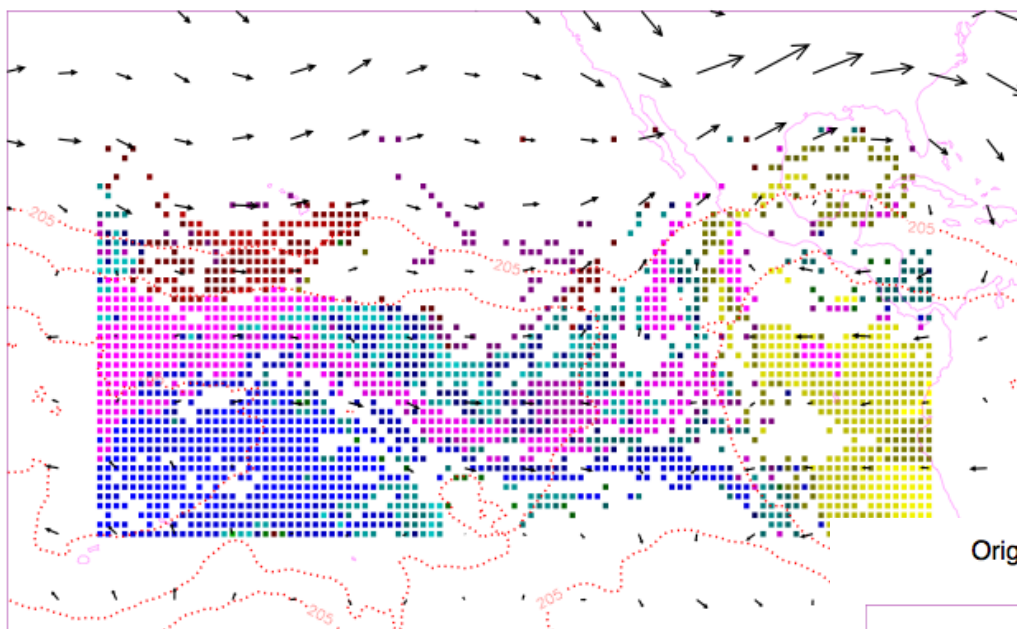




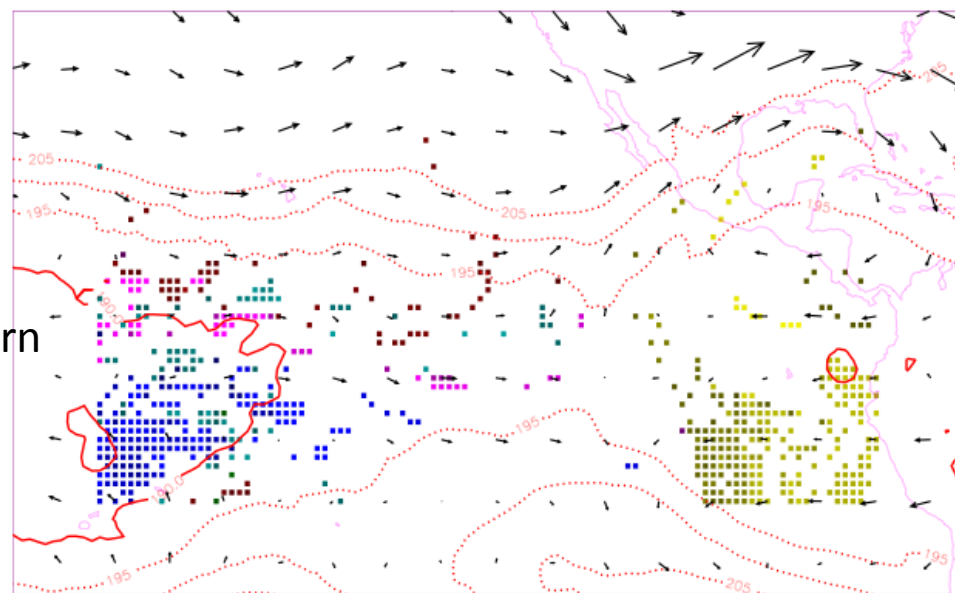
Clouds and convection (low clouds above, high clouds to the right) show us generally free of convection at reachable latitudes. Most of the active stuff is forecast to be Hawaii westward, except for an ITCZ in the east at about 5N or so. Much of the area along the Mexican coast is forecast to be cloud free.



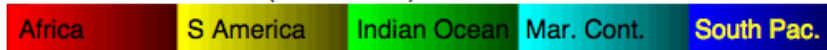
Origin of Convectively Influenced Air at 15030400 on 359 surface



Origin of Convectively Influenced Air at 15030400 on 372 surface



Locations of Convection (darker=older)



0 days 10 days

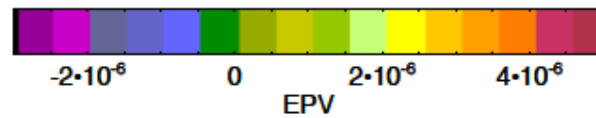
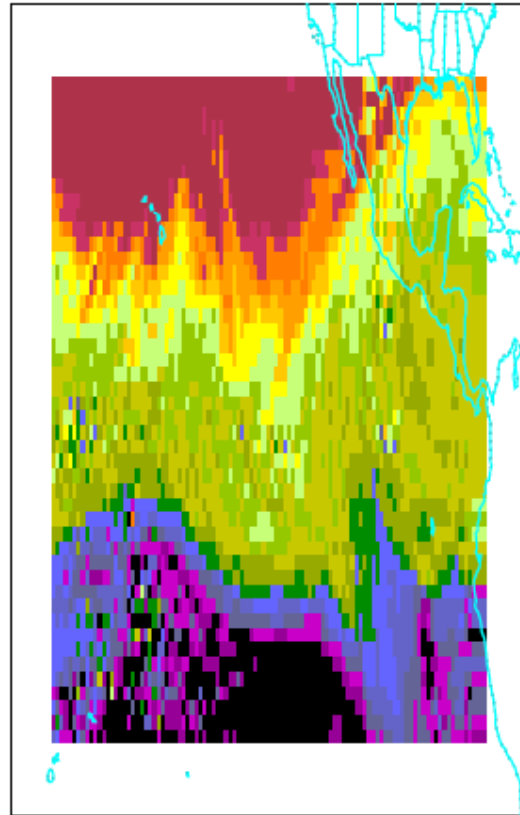
Convective influence in last 14 days. Eastern Path suggests an interesting mix at 47kft (359K) of air from different regions. Not Much within reach at the higher level. Some African air (!) to the SSW.

Locations of Convection (darker=older)

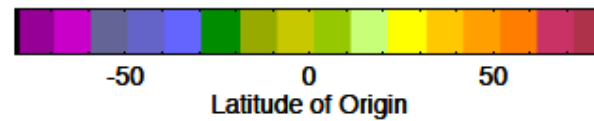
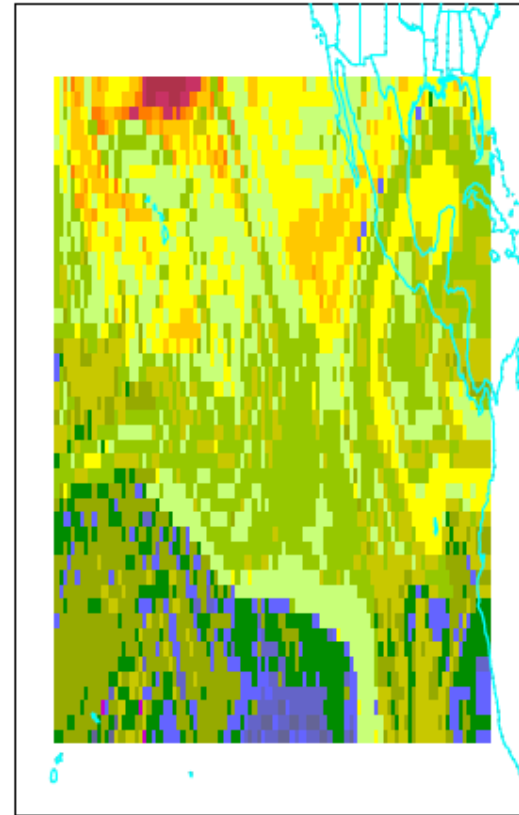


0 days 10 days

EPV for 15030400 at Altitude of 52kft

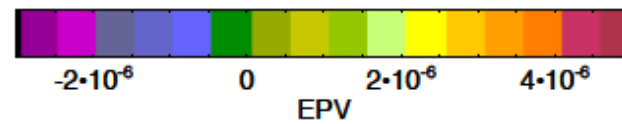
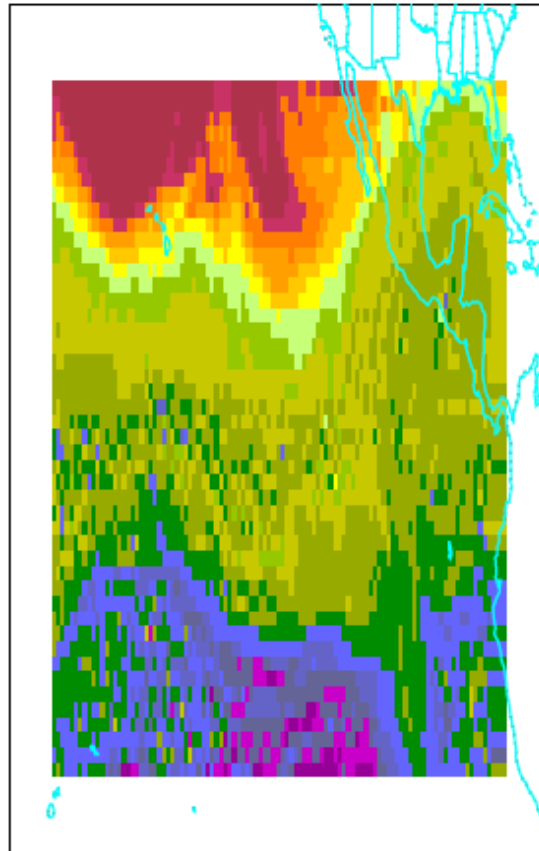


RDF LAT for 15030400 at Altitude of 52kft

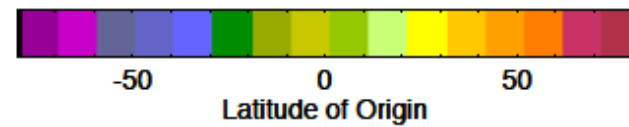
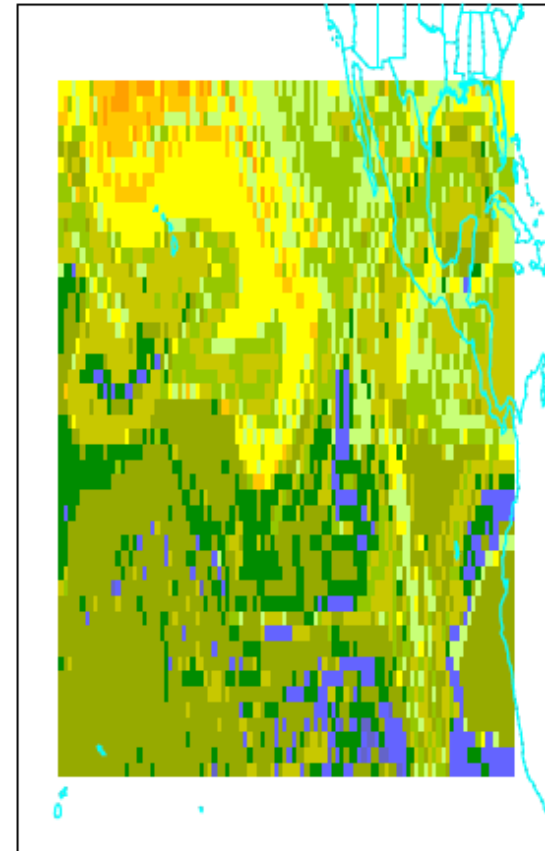


RDF plot shows interesting strong gradients on the eastern side, both in EPV and latitude of origin (they should line up, more or less). At 47kft,

EPV for 15030400 at Altitude of 47kft



RDF LAT for 15030400 at Altitude of 47kft



Note air from $\sim 30^\circ\text{S}$ well north of the equator. May be hard to reach if we stay near the Mexican coast.

TO/Landing wx

- Evening takeoff only
- Upper level low passes over our area this weekend – showery conditions
- Another disturbance follows on Monday
- Saturday and Monday disturbances tracking further over the ocean – more rain south of us, but a different wind history expected
- At this time, forecasts do not indicate a crosswind concern at either TO or landing because of the change in track